

CLAIMS

1. A method for processing directory events, comprising:
operating a directory service provider server to perform a data
5 manipulation within a master directory database;
operating an event master server to assign a sequence number to
said data manipulation; and
operating said event master server to store said sequence number
within said master directory database.
- 10
2. The method of claim 1, further comprising:
operating said event master server to provide an event message to
an event service server, said event message including said sequence number
and an event notification;
15 operating said master database to replicate said sequence number
to a replicate directory database; and
operating said event service server to provide said event
notification to an event client server in response to said replication of said
sequence number to said replicate directory database.
- 20
3. The method of claim 2, further comprising:
operating said event client server to provide said event notification
to at least one directory client registered to receive said event notification.

4. A method for processing directory events, comprising:
operating a master database to replicate a data manipulation and a
sequence number to a replicate directory database, said sequence number
5 corresponding to an event notification; and
operating said event service server to provide said event
notification to an event client server in response to said replication of said
sequence number to said replicate directory database.
- 10 5. The method of claim 4, further comprising:
operating said event client server to provide said event notification
to at least one directory client registered to receive said event notification.
- 15 6. A method for processing directory events, comprising:
monitoring a first queue for a modified message indicative of a data
manipulation within a master directory database;
assigning a first sequence number to said modified message when
said modified message is within said first queue; and
storing said first sequence number within said master directory
20 database.
- 25 7. The method of claim 6, further comprising:
providing said first sequence number to a second queue.
monitoring said second queue for said first sequence number; and
polling a replicate directory database for a second sequence
number in response to said first sequence number being within said second
queue.

8. The method of claim 7, further comprising:
comparing said first sequence number and said second sequence
number; and
providing an event notification to at least one directory client when
5 said first sequence number is less than or equal to said second sequence
number.
9. A method for processing directory events, comprising:
providing a first sequence number to a queue, said first sequence
10 number corresponding to a data manipulation within a master directory
database;
monitoring said queue for said first sequence number; and
polling a replicate directory database for a second sequence
number in response to said first sequence number being within said second
15 queue.
10. The method of claim 9, further comprising:
comparing said first sequence number and said second sequence
number; and
20 providing an event notification to at least one directory client when
said first sequence number is less than or equal to said second sequence
number.

11. A system, comprising:
a master directory database operable to store data;
a directory service provider server operable to manipulate said
5 data; and
an event master server operable to assign a sequence number to
any manipulation of said data within said master directory database by said
directory service provider server.
- 10 12. The system of claim 11, wherein
said event master server is further operable to store said sequence
number within said master directory database.
13. The system of claim 12, further comprising:
15 a replicate directory database operable to store said data, wherein
said master directory database is further operable to replicate said
data and a second sequence number to said replicate directory database.
14. The system of claim 13, further comprising:
20 an event service server operable to poll said replicate directory
database for said second sequence number in response to said first sequence
number from said event master server.

15. The system of claim 14, further comprising:
a directory client; and
an event client server operable to provide an event notification to
5 said directory client, wherein
said event service server is further operable to provide said event
notification to said event client server when said first sequence number is less
than or equal to said second sequence number.

10 16. A computer program product in a computer usable medium for
processing a directory event, said computer program product comprising:
a means for monitoring a first queue for a modified message;
a means for assigning a first sequence number to said modified
message when said modified message is within said first queue;
15 a means for storing said first sequence number within a master
directory database; and
a means for providing an event message including said first
sequence number and an event notification.

20

17. The computer program product of claim 16, further comprising:
a means for monitoring a second queue for a first sequence
number;

5 a means for polling a replicate database for a second sequence
number in response to said second sequence number being within said second
queue;

a means for comparing said first sequence number and said
second sequence number; and

10 a means for providing said event notification when said first
sequence number is less than or equal to said second sequence number.

18. A computer program product in a computer usable medium for
processing a directory event, said computer program product comprising:

15 a means for monitoring a queue for a first sequence number;
a means for polling a replicate database for a second sequence
number in response to said second sequence number being within said queue;

a means for comparing said first sequence number and said
second sequence number; and

20 a means for providing an event notification when said first
sequence number is less than or equal to said second sequence number.

19. A system, comprising:

an event master server operable to assign a sequence number to a manipulation of a data within a master directory database;

5 an event service server operable to determine said sequence number being stored within a replicate directory database; and

an event client server operable to provide an event notification to at least one directory client when said sequence number is being stored within said replicated directory database, said event notification corresponding to said
10 manipulation of said data.

20. A system, comprising:

a directory client;

a master directory database operable to store data;

15 a directory service provider server operable to manipulate said data; and

a directory event subsystem operable to notify said directory client of any manipulation of said master directory database by said directory service provider server.

20